



Application No.: 10/783,945
Notice of Allowance mailed: May 5, 2005
Examiner: William C. Choi
Group Art Unit: 2873
Fig. 28
Replacement Sheet

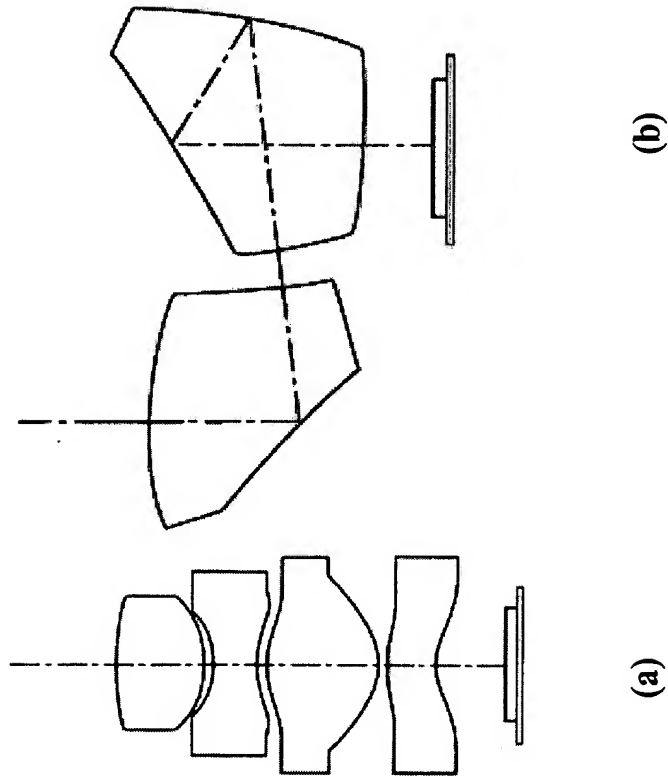


Fig. 28
(Prior Art)

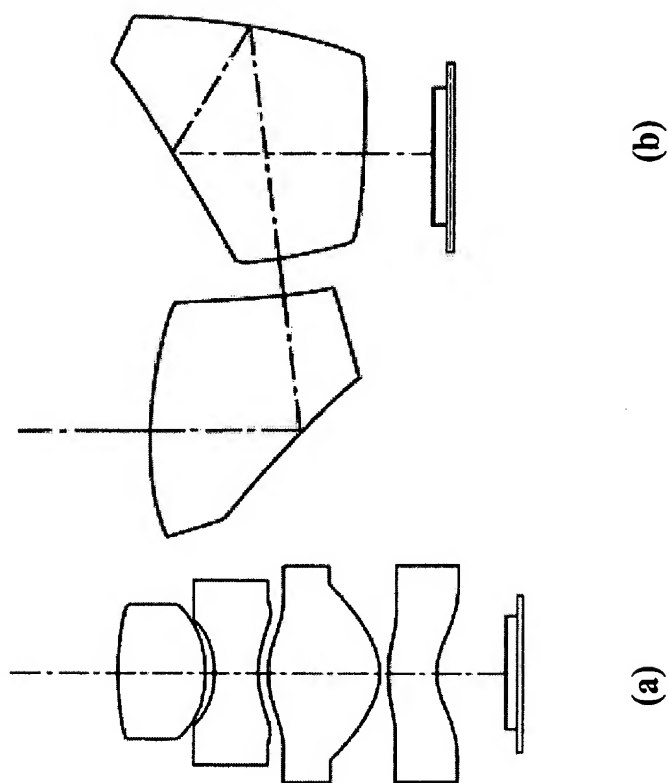


Fig. 28
(Prior Art)

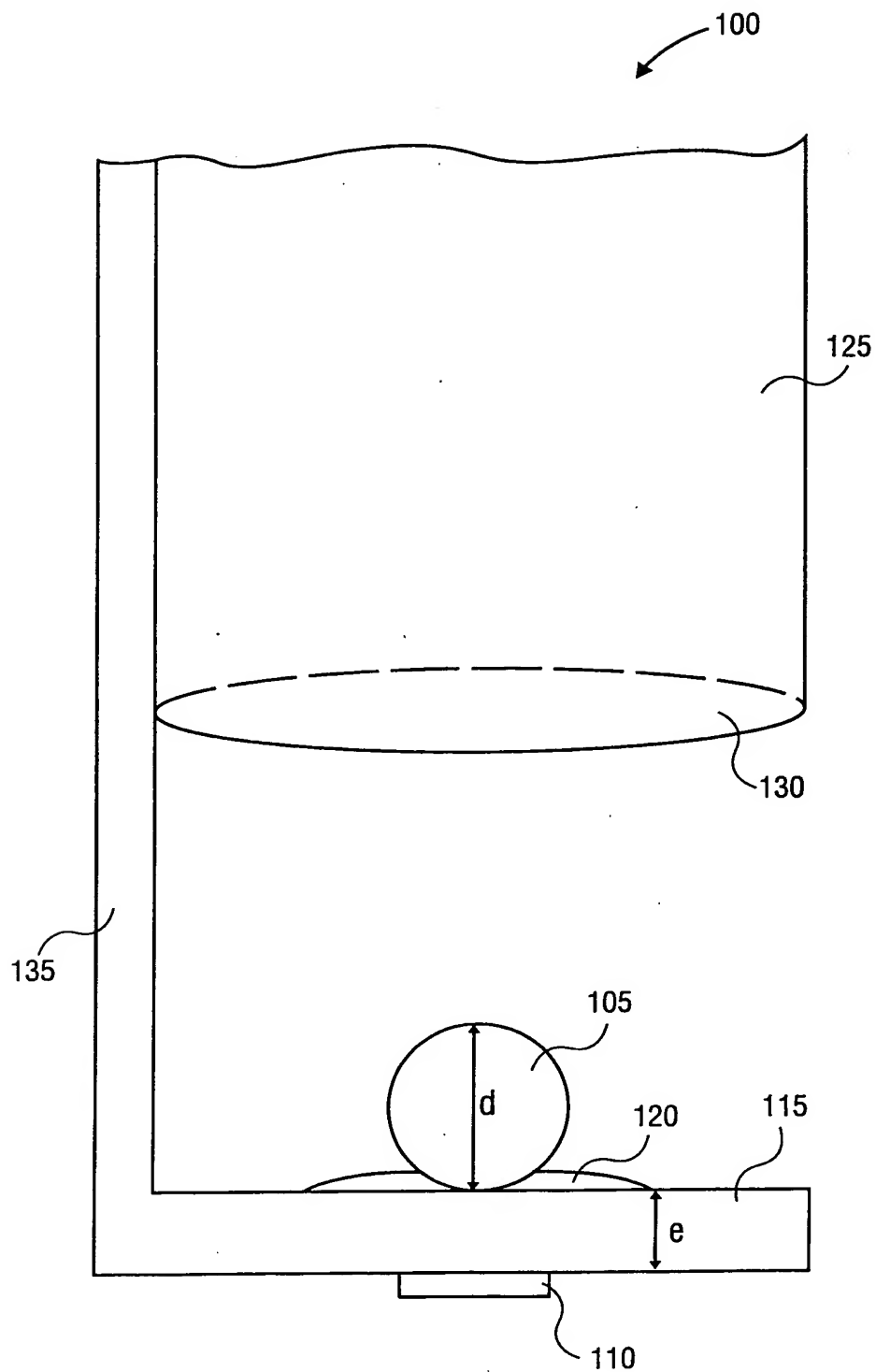


FIG. 1

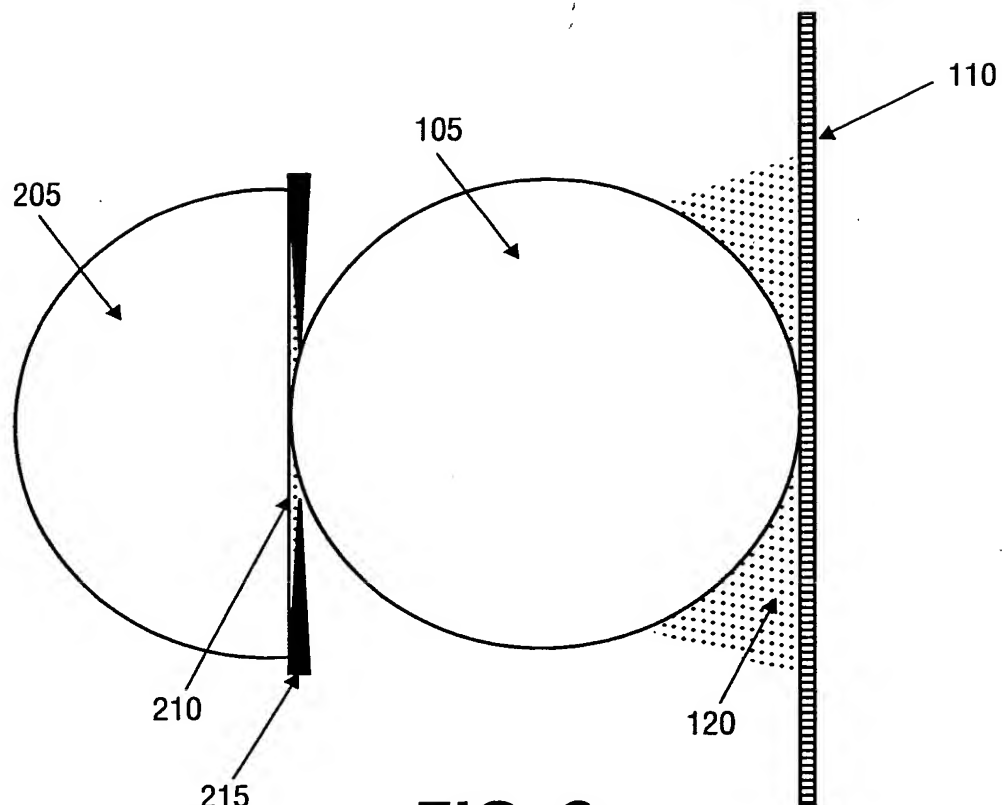


FIG. 2

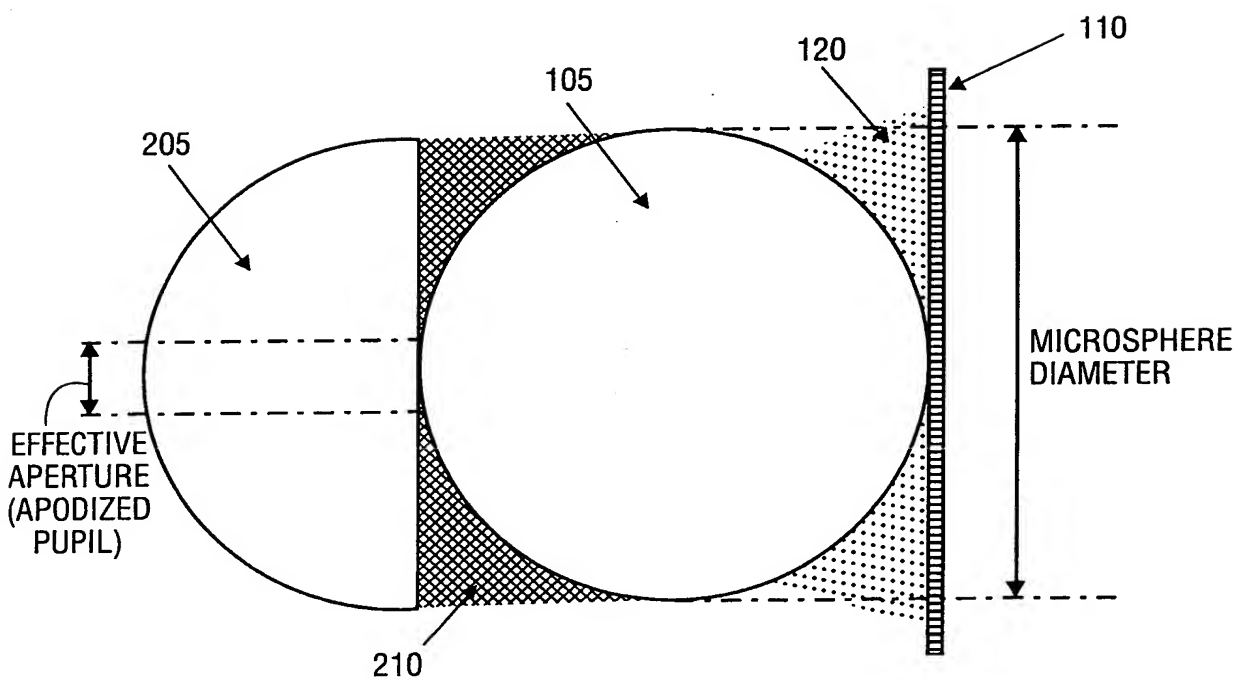


FIG. 3

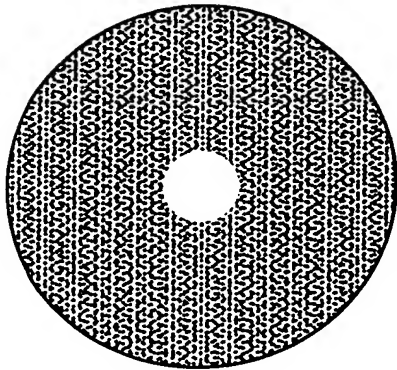


FIG. 4

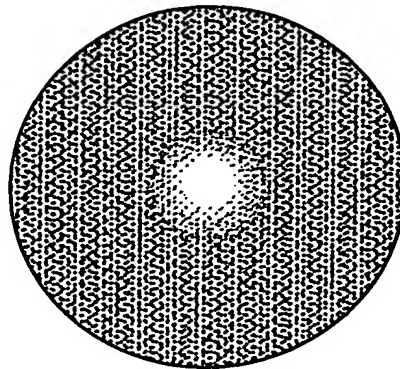


FIG. 5

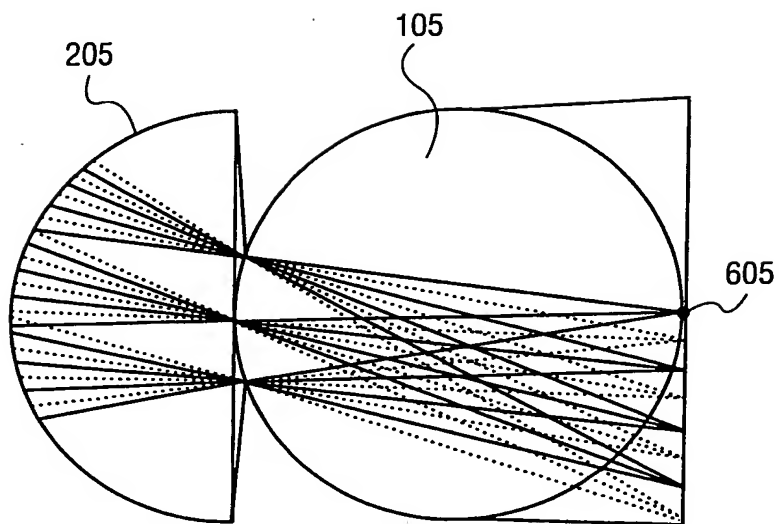


FIG. 6

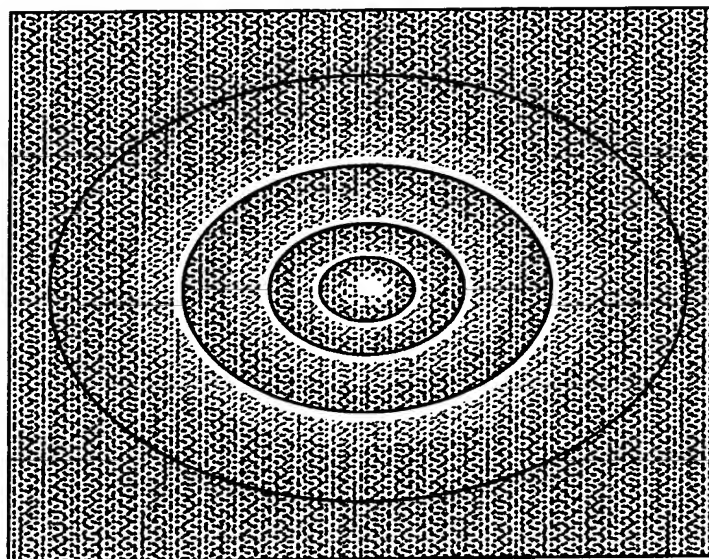


FIG. 7

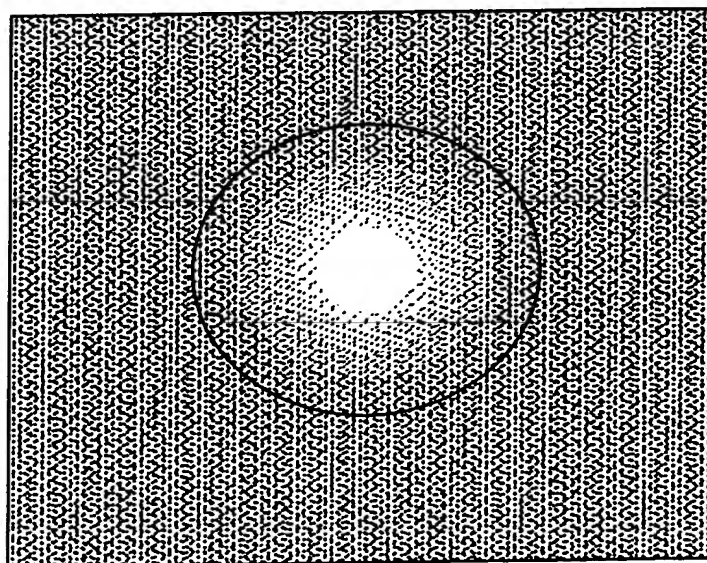
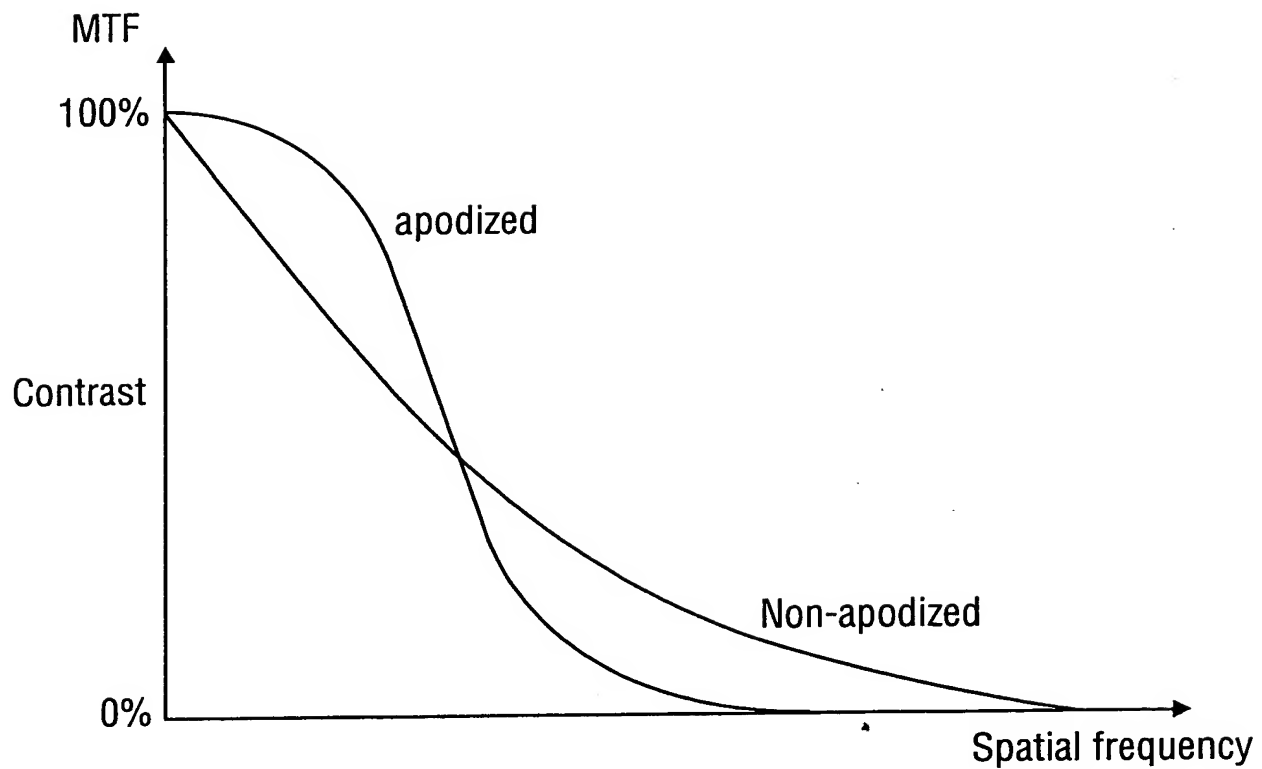


FIG. 8



Diffraction-limited MTF (apodized vs. non-apodized lens)

FIG. 9

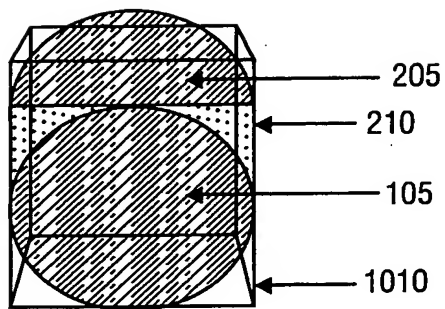


FIG. 10

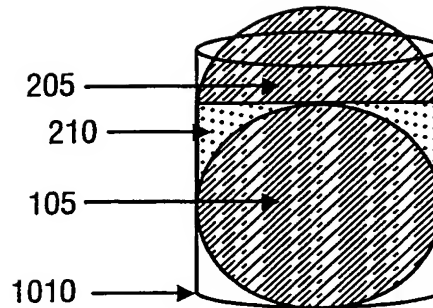


FIG. 11

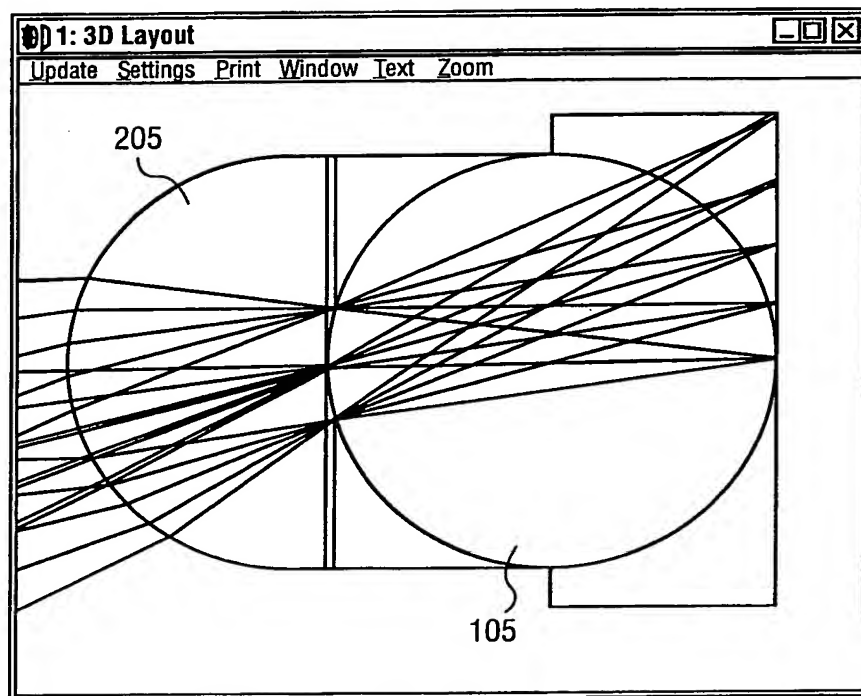


FIG. 12

Surf	Type	Radius	Thickness	Glass	Diameter
OBJ	STANDARD	Infinity	70.1778		71.23298
1	STANDARD	1	1.159787	FK51	2
2	STANDARD	Infinity	0	1.539000, 45.000000	2
3	STANDARD	1	0	1.539000, 45.000000	0.54
4	STANDARD	1	2	F_SILICA	2
5	STANDARD	-1	0.01	1.539000, 45.000000	2
IMA	STANDARD	Infinity		1.539000, 45.000000	2.37

FIG. 13

Saggital MTF

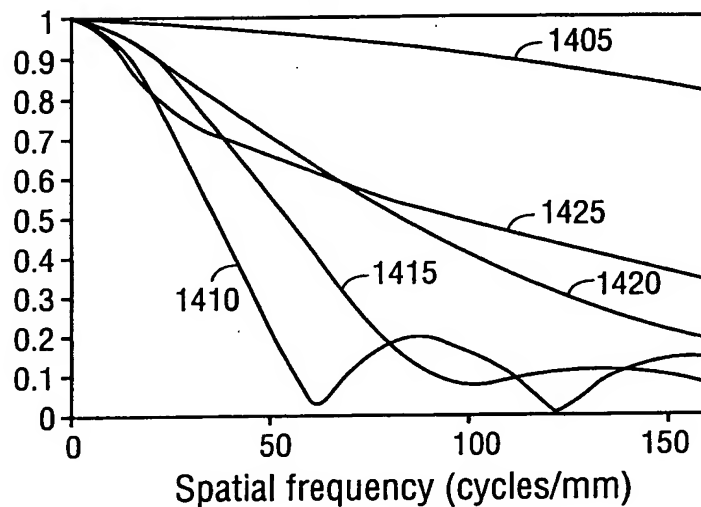


FIG. 14

Tangential MTF

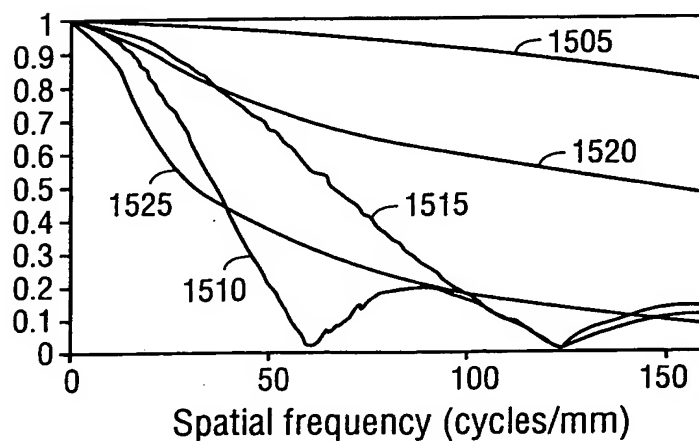


FIG. 15

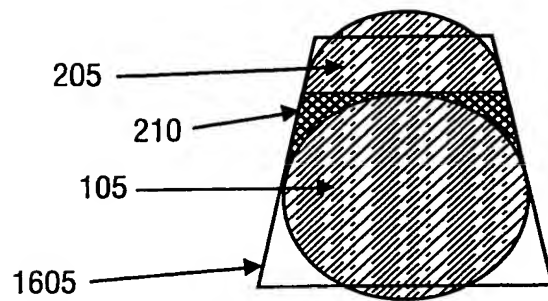


FIG. 16

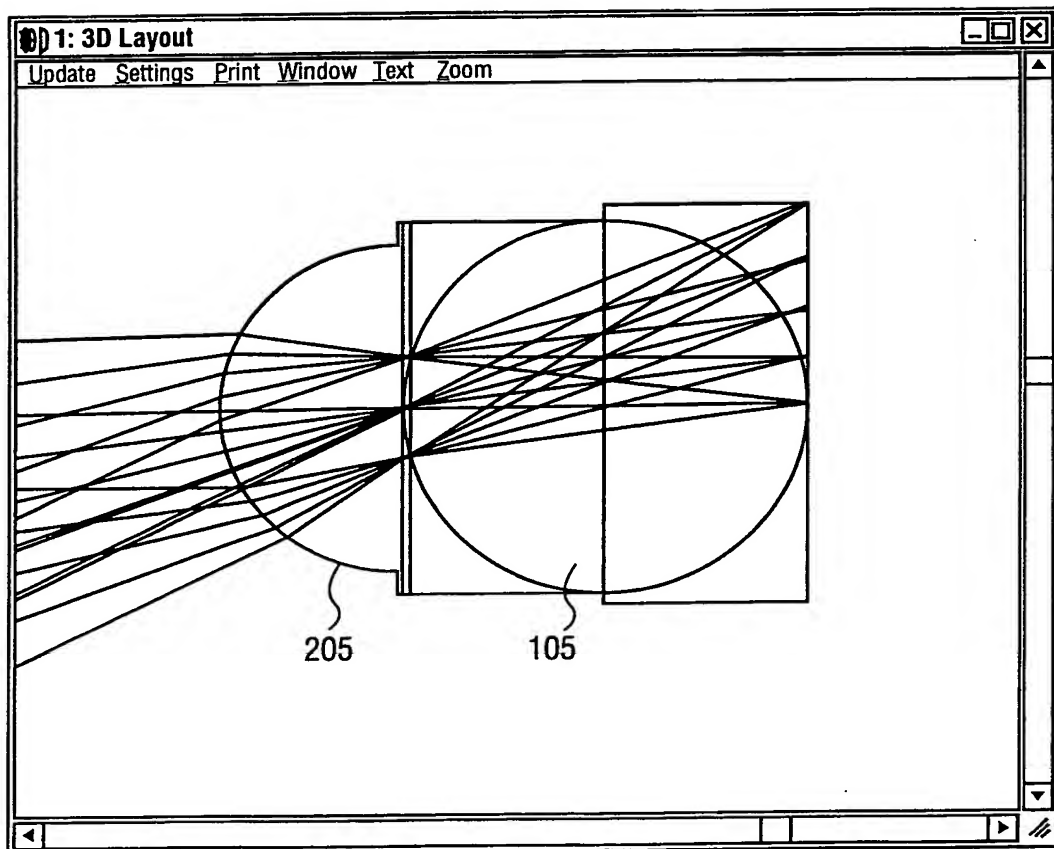


FIG. 17

Surf	Type	Radius	Thickness	Glass	Diameter
OBJ	STANDARD	Infinity	70.1778		70.89748
1	STANDARD	0.8790182	0.9070419	FK51	1.76
2	STANDARD	Infinity	0	1.582000, 33.000000	1.76
3	STANDARD	1	0	1.582000, 33.000000	2
4	STANDARD	1	2	F_SILICA	2
5	STANDARD	-1	0.01	1.582000, 33.000000	2 IMA
	STANDARD	Infinity		1.582000, 33.000000	2.16

FIG. 18

Saggital MTF

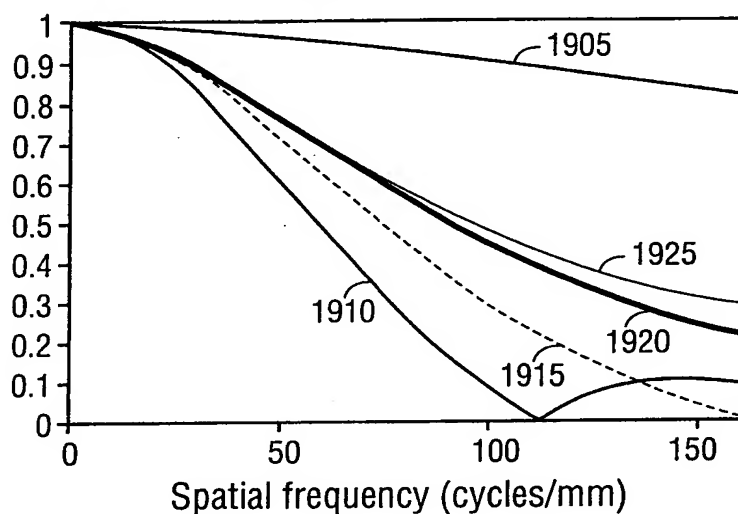


FIG. 19

Tangential MTF

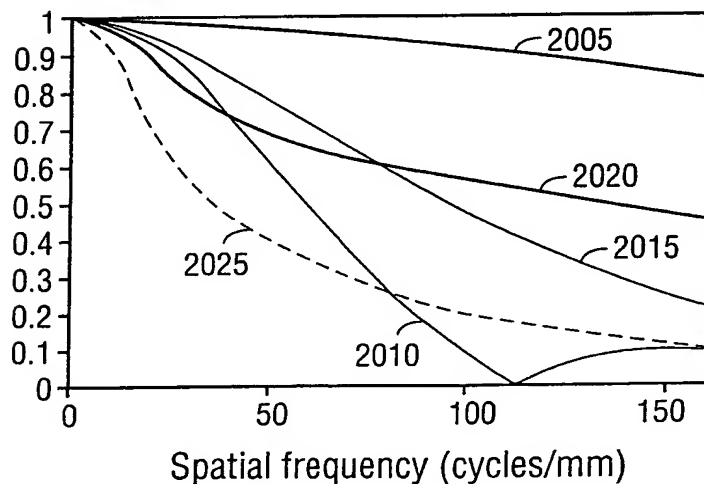


FIG. 20

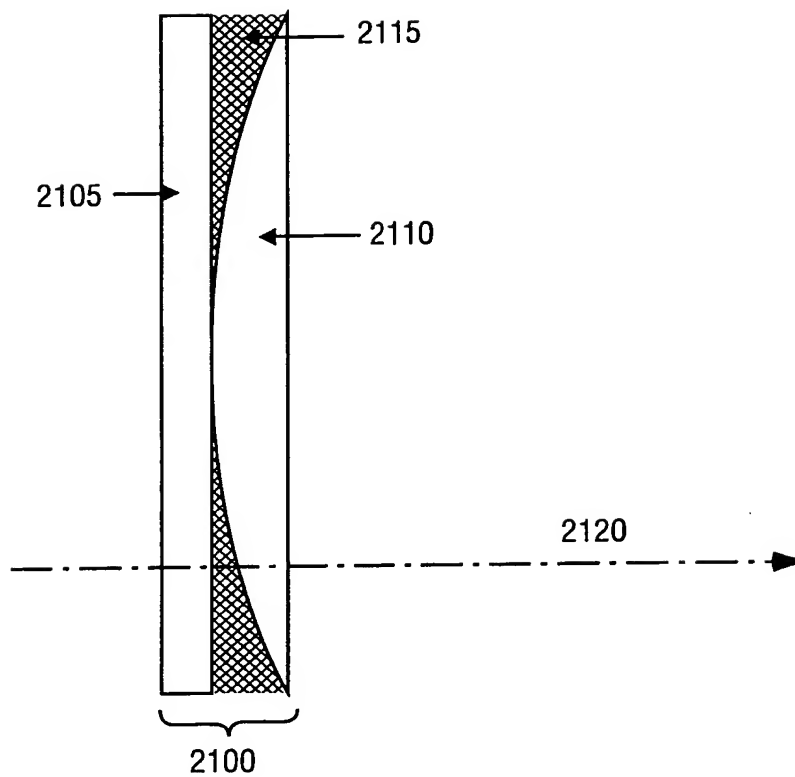


FIG. 21

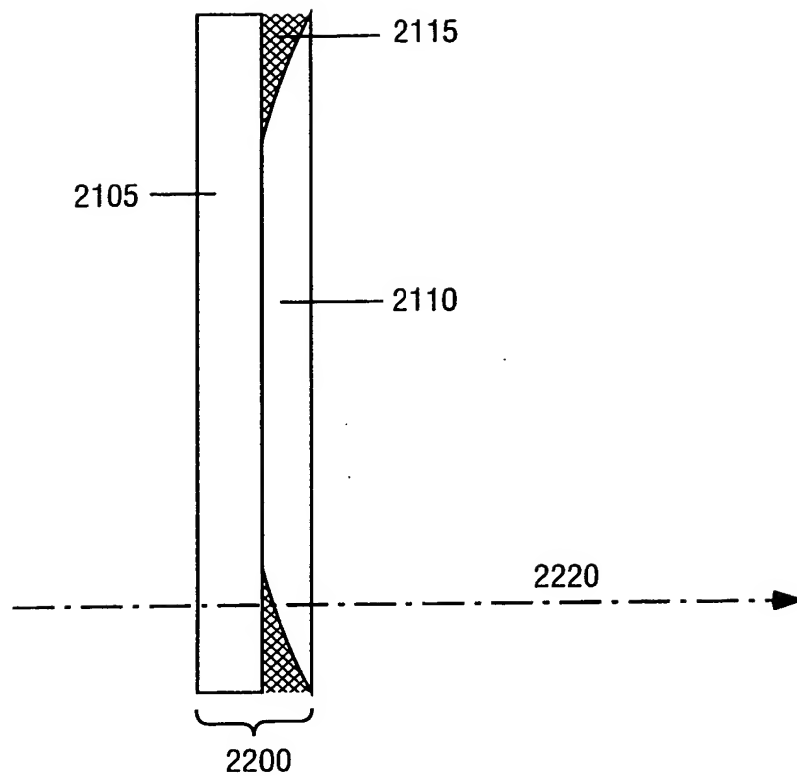


FIG. 22

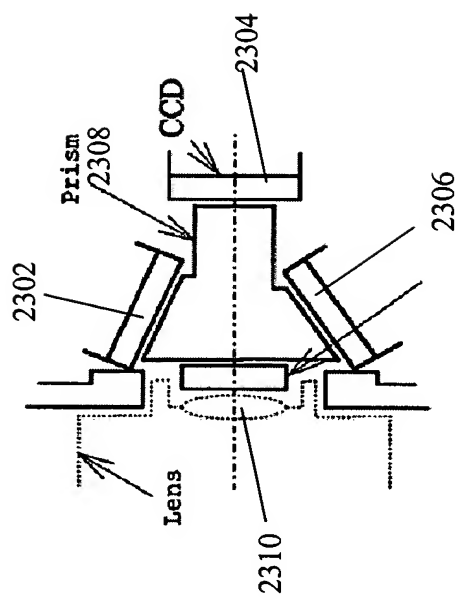


Fig. 23

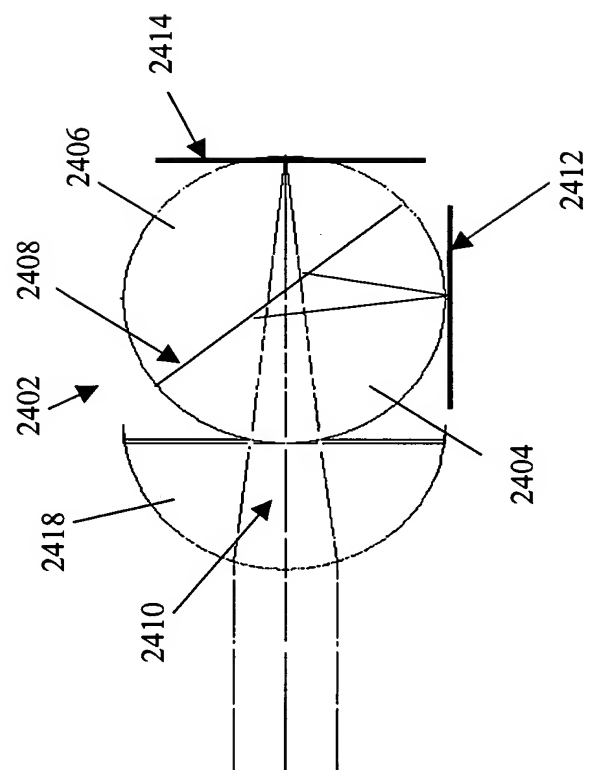


Fig. 24

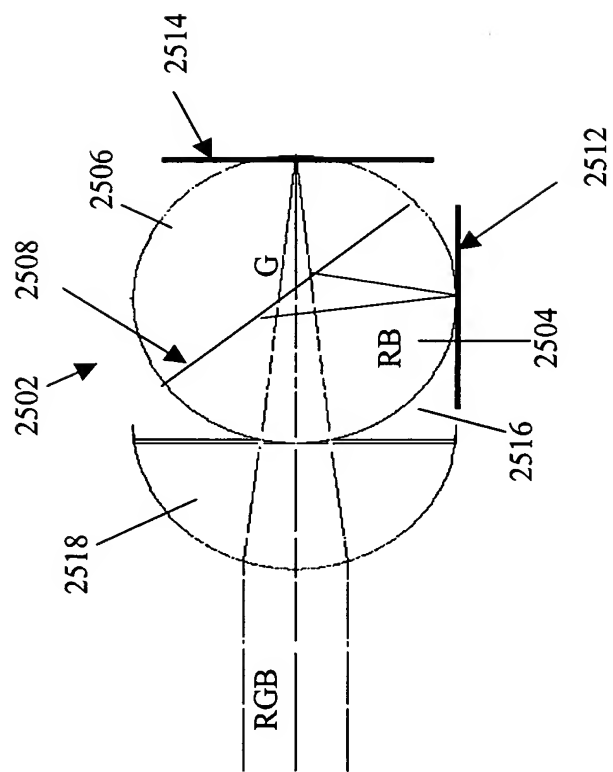
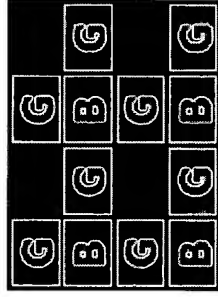


Fig. 25



Bayer Pattern

Fig. 26

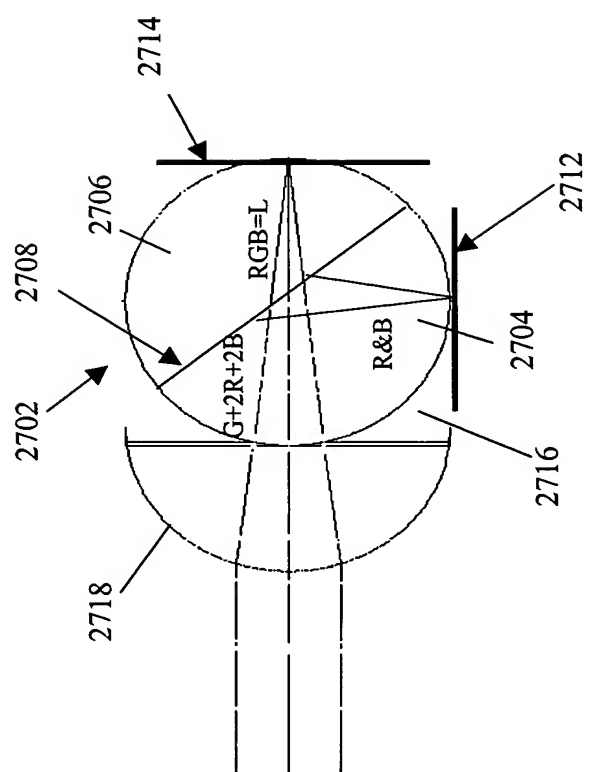


Fig. 27

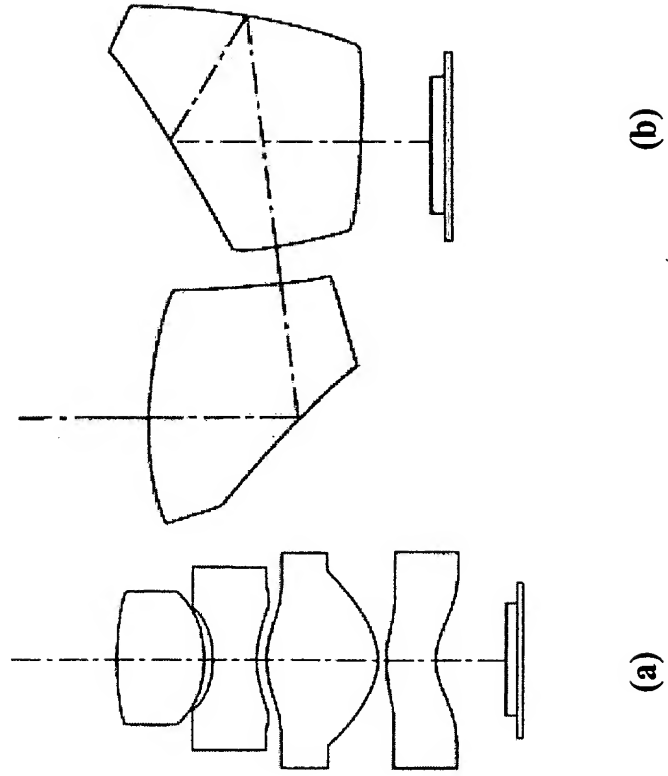


Fig. 28
(Prior Art)

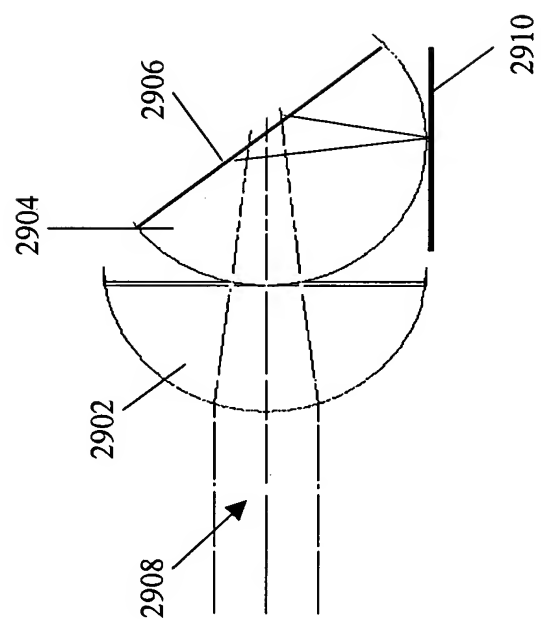


Fig. 29